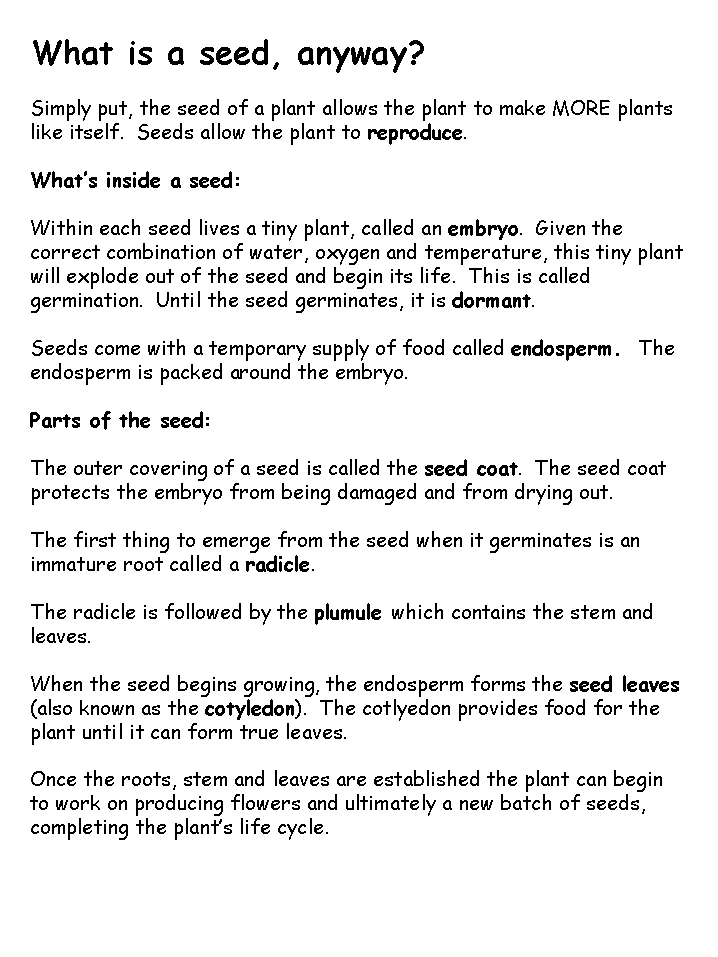
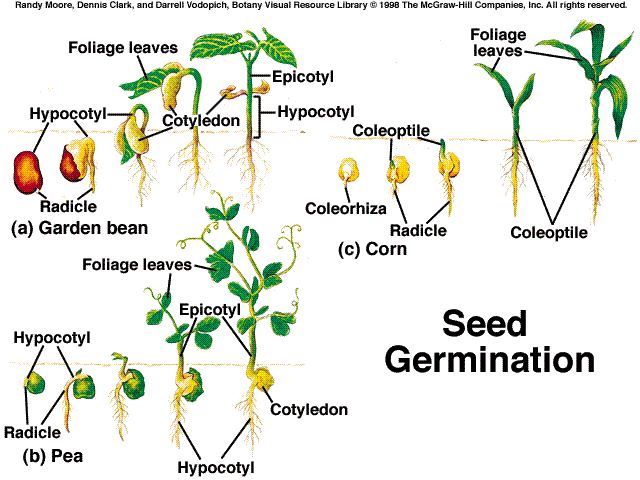
**NAME \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**Germination and observations**



***After you read the passage, answer the LOTS questions***

1. What three things are needed before a seed will germinate:
2. What part of the seed contains a temporary food supply?
3. What is the job of the seed coat?
4. What is the difference between a radicle and plumule?

***Germinating your seeds:***

1. Place two paper towels along the walls of a plastic bag. Soak them with water. The paper towels should stick to the sides of the bag.
2. Fill the core of the plastic bat with a crumpled sheet of newspaper. The newspaper will hold the wet towels in place.
3. Pour water into the bottom of the bag until it is about 2 cm. deep.
4. Now "plant" the seeds between the plastic wall of the bag and the wet paper towels. Place one of each different kind of seed, turned in different directions.
5. Use a permanent marker to **number your seeds** and *write your name* on the baggie.
6. Draw a picture of your baggie and the seeds on the diagram at the bottom of this page. Number each seed 1 – 6. Write the type of seed in the table.
7. Bring your bag to the teacher to post on the cardboard display
8. Write at least 3 observations for each seed (qualitative and quantitative) each school day.

**Diagram of baggie:**

|  |  |
| --- | --- |
| Seed Number | Seed Type |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |

I predict that seed number \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ will germinate first.

I predict that the color of the roots will be \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.

I predict that the color of the leaves will be \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.